

**SEMINOLE COUNTY GOVERNMENT
AGENDA MEMORANDUM**

SUBJECT: (Continued from 1/27/09 Board Meeting) Selection of a Structure for the Construction of a Pedestrian Overpass over Red Bug Lake Road at State Road 426

DEPARTMENT: Public Works

DIVISION: Engineering

AUTHORIZED BY: Gary Johnson

CONTACT: Antoine Khoury

EXT: 5768

MOTION/RECOMMENDATION:

Select a structure for a Pedestrian Overpass over Red Bug Lake Road at State Road 426 or authorize staff to obtain bids for this project on both structures (County Prototype and Proposed City Structure).

District 1 Bob Dallari
District 2 Michael McLean

Jerry McCollum

BACKGROUND:

At the November 13, 2007, Board of County Commissioners (BCC) Meeting, the Board directed staff to develop a pedestrian overpass prototype structure for the remaining two (2) budgeted pedestrian overpasses (Red Bug Lake Road at Red Bug Lake Elementary School, Capital Improvement Project Number 00196901; and Red Bug Lake Road at State Road 426, Capital Improvement Number 00229204), and also for any future pedestrian overpasses. Several concepts were analyzed with the emphasis on functional and low maintenance requirements. Based on these criteria, staff is recommending the structure shown on Attachment 1 be adopted as the prototype for pedestrian overpasses. To access the pedestrian structure, either a Straight Ramp (Attachment 2) or a Switchback Ramp (Attachment 3) would be utilized with available right-of-way determining the type of access.

It should be noted that concrete or steel would be used to construct the prototype pedestrian overpass. Concrete would be used for the structure unless the length of the span would structurally require steel to be utilized. Whether steel or concrete is used, the prototype would look basically the same. The difference in costs between the structures is shown on Attachment 4.

At the BCC meeting on January 27, 2009, the Board directed staff to meet with representatives from the City of Oviedo regarding the design and specifications for the pedestrian overpass over Red Bug Lake Road at State Road 426. At the BCC meeting on February 24, 2009, staff briefed the Board on the status of discussions with the City of Oviedo representatives and received authorization to bring the prototype structure for the construction of the pedestrian overpass over Red Bug Lake Road at Red Bug Lake Elementary School to the Board at their next scheduled meeting on March 10, 2009.

At the BCC meeting on March 10, 2009, the Board approved the recommended prototype structure for the Pedestrian Overpass over Red Bug Lake Road at Red Bug Lake Elementary School. Staff briefed the Board on the status of continued discussions with representatives

from the City of Oviedo and presented a copy of a rendering the City had developed for the overpass at State Road 426. The cost associated with the construction and maintenance of the structure submitted by the City of Oviedo was discussed along with the fact that this item had not been presented to and approved by the City Council of Oviedo but was on the agenda for their meeting Monday, March 16, 2009. It was the consensus of the Board to bring the design of the Pedestrian Overpass over Red Bug Lake Road at State Road 426 back to the BCC, as soon as possible, with the understanding that if the City Council of Oviedo approves the structure they propose, any costs for the construction or maintenance over that of the County's approved prototype would be the responsibility of the City. At the City of Oviedo Council meeting March 16, 2009, Resolution No. 1960-09 was adopted (copy attached) approving the submittal of enhanced design "Concept E" to the BCC.

As stated at the BCC meeting, the overpass over Red Bug Lake Road at Red Bug Lake Elementary School and the overpass over Red Bug Lake Road at State Road 426 could be bid with the County's prototype structure and the overpass at State Road 426 could include an option to obtain bids to construct the City's proposed structure.

STAFF RECOMMENDATION:

Staff recommends the Board select a structure for a Pedestrian Overpass over Red Bug Lake Road at State Road 426 or authorize staff to obtain bids for this project on both structures (County Prototype and Proposed City Structure).

ATTACHMENTS:

1. Location Map
2. Attachment 1 - Recommended Prototype Bridge
3. Attachment 2 - Straight Ramp Concept
4. Attachment 3 - Switchback Ramp Concept
5. Attachment 4 - Cost Table
6. Proposed Structure - City of Oviedo
7. Resolution 1960-09 City of Oviedo Enhanced Design Concept E

Additionally Reviewed By:

- | | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Budget Review (Fredrik Coulter, Lisa Spriggs) |
| <input checked="" type="checkbox"/> | County Attorney Review (Matthew Minter) |

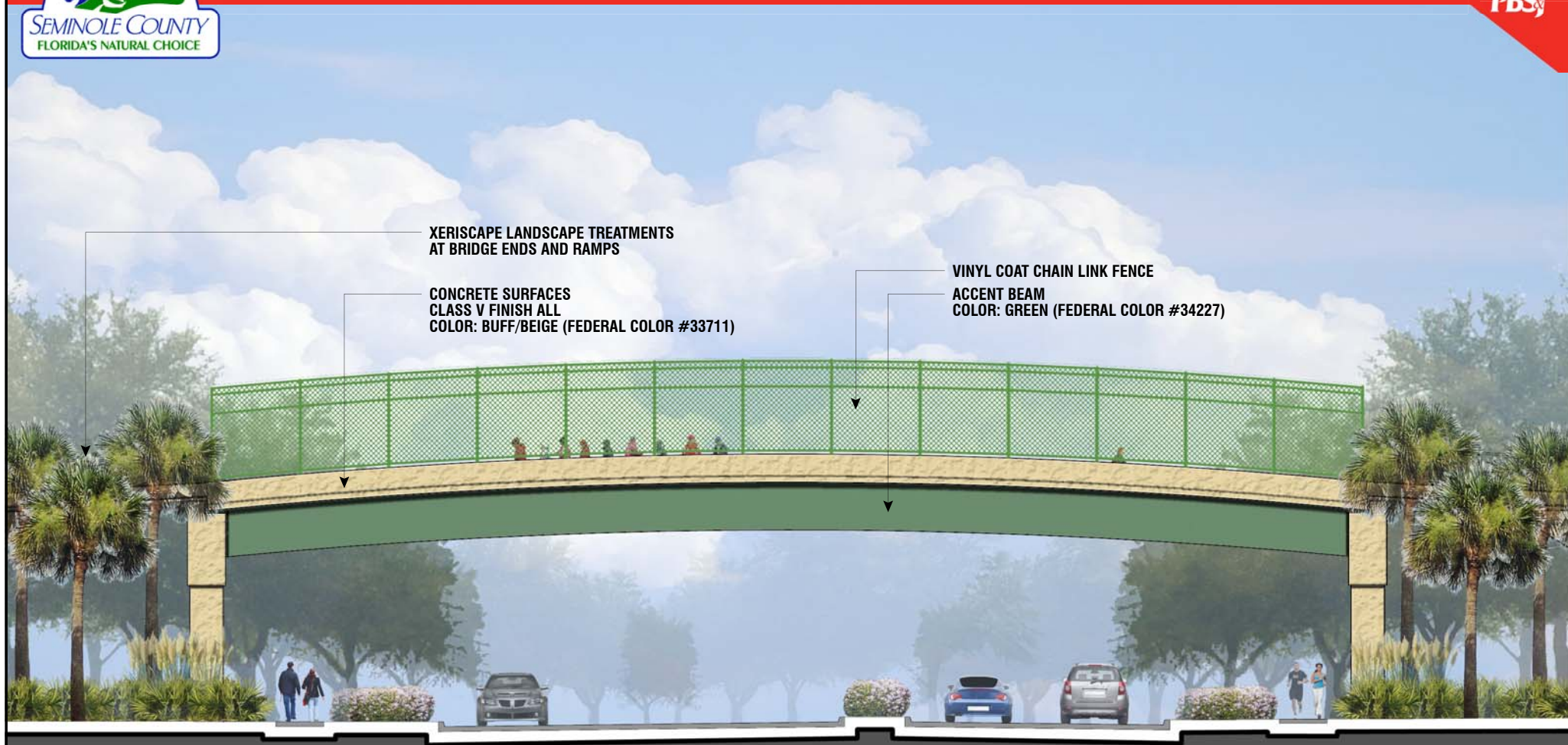
Red Bug Lake Road & State Road 426

Trail Overpass

Location Map



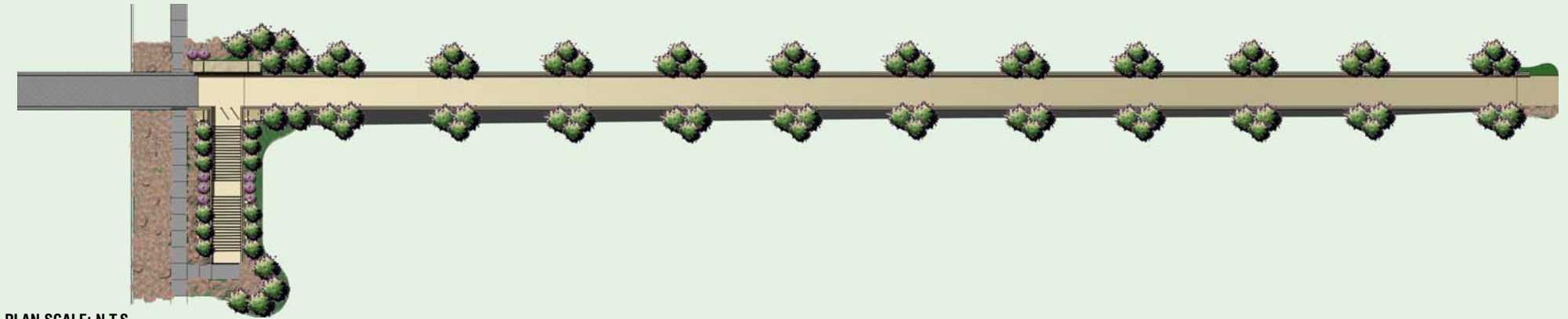
RECOMMENDED PROTOTYPE BRIDGE



PEDESTRIAN OVERPASS CONCEPT
SEMINOLE COUNTY, FLORIDA

ATTACHMENT 1

STRAIGHT RAMP CONCEPT



CONCRETE SURFACES
CLASS V FINISH ALL
COLOR: BUFF/BEIGE (FEDERAL COLOR #33711)
XERISCAPE LANDSCAPE TREATMENTS
AT BRIDGE ENDS AND RAMPS
PEDESTRIAN RAIL



PEDESTRIAN OVERPASS CONCEPT SEMINOLE COUNTY, FLORIDA

ATTACHMENT 2

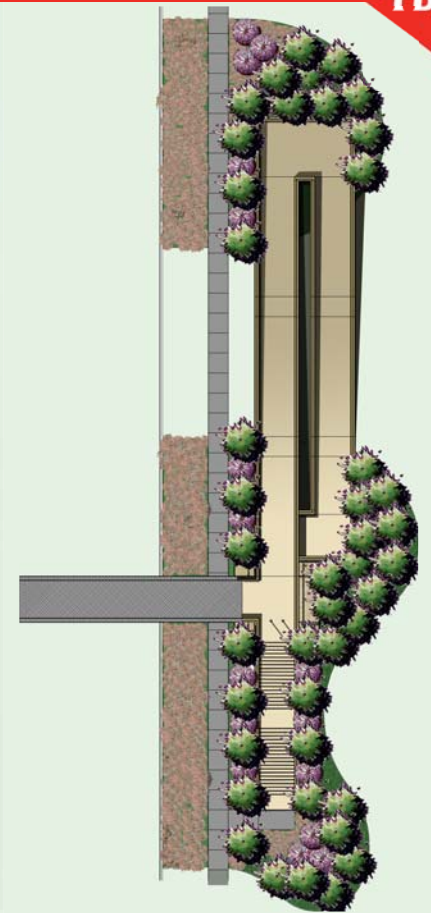


SWITCHBACK RAMP CONCEPT

PBSJ®



ELEVATION SCALE: N.T.S.



PLAN SCALE: N.T.S.

PEDESTRIAN OVERPASS CONCEPT SEMINOLE COUNTY, FLORIDA

ATTACHMENT 3

COST TABLE

ESTIMATED COST MATRIX

PEDESTRIAN OVERPASS ALTERNATIVES	RED BUG LAKE ELEMENTARY PEDESTRIAN OVERPASS	RED BUG LAKE ROAD AT SR 426 TRAIL OVERPASS
Concrete Beam Bridge	\$2.7 million	\$4.0 million
Steel Beam Bridge	\$3.0 million	\$4.4 million

PEDESTRIAN OVERPASS CONCEPT
SEMINOLE COUNTY, FLORIDA

ATTACHMENT 4



Red Bug Lake Road Pedestrian Overpass Beautification



RESOLUTION NO. 1960-09

A RESOLUTION OF THE CITY OF OVIEDO, FLORIDA, AUTHORIZING THE SUBMITTAL OF ENHANCED DESIGN CONCEPT E TO THE SEMINOLE COUNTY BOARD OF COUNTY COMMISSIONERS FOR THE RED BUG LAKE ROAD PEDESTRIAN BRIDGE; PROVIDING FOR CONFLICTS, SEVERABILITY AND AN EFFECTIVE DATE

WHEREAS, the Seminole County has developed a prototype bridge design for a pedestrian bridge to be constructed over Red Bug Lake Road west of the SR 426; and,

WHEREAS, the City of Oviedo Beautification and Wayfinding Study classifies the intersection of Red Bug Lake Road, SR 426, and Mitchell Hammock Road as a Primary Gateway; and,

WHEREAS, the City Council of the City of Oviedo finds that the County's prototype design is inconsistent with the City's Beautification and Wayfinding Study and is not an appropriate gateway into the City of Oviedo; and,

WHEREAS, the City of Oviedo commissioned alternate enhanced design concepts to be prepared consistent with the City's Beautification and Wayfinding Study; and,

WHEREAS, City staff evaluated the alternate enhanced design concepts and recommends that Enhanced Design Concept E be submitted to the Seminole County Board of County Commissioners; and,

WHEREAS, the City Council of the City of Oviedo considered the alternate enhanced design concepts at its Monday, March 16, 2009, meeting.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF OVIEDO, FLORIDA, AS FOLLOWS:

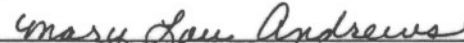
SECTION 1. The City Council hereby authorizes the City Manager to submit Enhanced Design Concept E to the Seminole County Board of County Commissioners for the Red Bug Lake Road Pedestrian Bridge as provided in Exhibit A

SECTION 2. Conflicts. All Resolutions or parts of Resolutions in conflict with any of the provisions of this Resolution are hereby repealed.

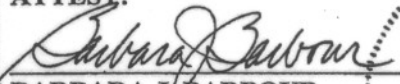
SECTION 3. Severability. If any Section or portion of a Section of this Resolution proves to be invalid, unlawful, or unconstitutional, it shall not be held to invalidate or impair the validity, force, or effect of any other Section of part of this Resolution.

SECTION 4. Effective Date. This Resolution shall take effect immediately upon its passage by the City Council of the City of Oviedo, Florida.

PASSED AND ADOPTED THIS 16th Day of March, 2009 A. D.


MARY LOU ANDREWS
MAYOR of the City of Oviedo, Florida

ATTEST:


BARBARA J. BARBOUR
CITY CLERK

